

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/046579 A3

(51) International Patent Classification⁷: **A61K 48/00**,
C12N 7/00

(21) International Application Number:
PCT/US2004/033224

(22) International Filing Date: 6 October 2004 (06.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/509,308 6 October 2003 (06.10.2003) US

(71) Applicant (for all designated States except US): **GANGA-
GEN, INC.** [US/US]; 3279 Emerson, Palo Alto, California
94306 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **JAYASHEELA,
M.** [IN/IN]; 74-Govindappa Road, A-3; Tejasvi Apart-
ments, Basavanagudi, Bangalore 560004 (IN). **SRIRAM,
Bharathi** [IN/IN]; Block "B", 3rd Main Road, Flat F1,
Aashiyana Apartments, No. 10, Sanjay Nagar, Bangalore
560094 (IN). **PADMANABHAN, Sriram** [IN/IN]; Block
"B", 3rd Main Road, Flat F1, Aashiyana Apartments, No.
10, Sanjay Nagar, Bangalore 560094 (IN).

(74) Agents: **BASTIAN, Kevin, L.** et al.; Townsend and
Townsend and Crew LLP, Two Embarcadero Center, 8th
Floor, San Francisco, California 94111 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report
— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
11 August 2005

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: DEFINED DOSE THERAPEUTIC PHAGE

(57) Abstract: The invention provides therapeutic, defined-dose anti-bacterial phage preparations, methods to make such prepara-
tions, methods to treat bacterial infections using such preparations and methods to diagnose bacterial infections using such prepara-
tions.



WO 2005/046579 A3